

Title (en)
A combustion apparatus

Title (de)
Verbrennungsvorrichtung

Title (fr)
Appareil de combustion

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Application
EP 10167460 A 20100628

Priority
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Abstract (en)
The present invention discloses a combustion apparatus 100, which comprises a first device 10 for mixing a fuel with an oxidant, a combustion chamber 12 in which combustion of the fuel/oxidant mix takes place, a pre-chamber 14 located between the first device 10 and the combustion chamber 12, wherein the first device 10 is adapted for outputting the oxidant or the fuel or the fuel/oxidant mix to the pre-chamber 14 and a second device 16 for outputting a gas flow 20 into the pre-chamber 14, wherein the second device 16 is located upstream of the first device 10. With a combustion apparatus 100 according to the present invention an enhancement of the stability of the combustion and reduction of the emissions can be realized.

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Citation (applicant)
EP 0660038 B1 19980520 - ROLLS ROYCE PLC [GB]

Citation (search report)
• [X] EP 0728989 A2 19960828 - EUROP GAS TURBINES LTD [GB]
• [X] DE 102008019117 A1 20091022 - MAN TURBO AG [DE]
• [X] GB 2336663 A 19991027 - ALSTOM GAS TURBINES LTD [GB]
• [X] WO 2009126534 A1 20091015 - GEN ELECTRIC [US], et al

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